

# Mainsail: 3000121 Andy mainsail R1.des

Design Info  
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Design File:  
G:\System\Dropbox\Dropbox\Dropbox\Dropbox\Fareastsails sails\order\Mike computer\Fareast Sails Production

Initial Design Date: 24/1/2019  
Boat:  
Client:

Comments:  
tack angle 82 degree  
  
reefs at 16.5%,32%,47%.

Design Data  
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## Main

### Measurements

Luff geodesic:	15.273m
Leech geodesic:	15.712m
Foot geodesic:	5.930m
Head geodesic:	0.100m
Upper width (MUW):	1.481m
Three-quarter width (MTW):	2.741m
Half width (MHW):	4.458m
Quarter width (MQW):	5.411m
Foot median:	15.337m
ORC Mainsail area:	59.773m?
Surface area:	62.238m?

### Battens

Position	Length	Roach	Angle	Full
85.714%	1.989m	0.928m	76.280?	Full
71.429%	3.376m	1.392m	76.280?	Full
57.143%	4.268m	1.431m	76.280?	Full
42.857%	4.922m	1.266m	76.280?	Full
28.571%	5.388m	0.951m	76.280?	Full
14.286%	5.681m	0.496m	76.280?	Full

### Reefing Points

1, Luff: 2.516m ; Leech: 2.516m ; Offset: 0.000m ; Number Eyelets: 0  
2, Luff: 4.880m ; Leech: 4.876m ; Offset: 0.000m ; Number Eyelets: 0  
3, Luff: 7.168m ; Leech: 7.162m ; Offset: 0.000m ; Number Eyelets: 0

### Luff Curve

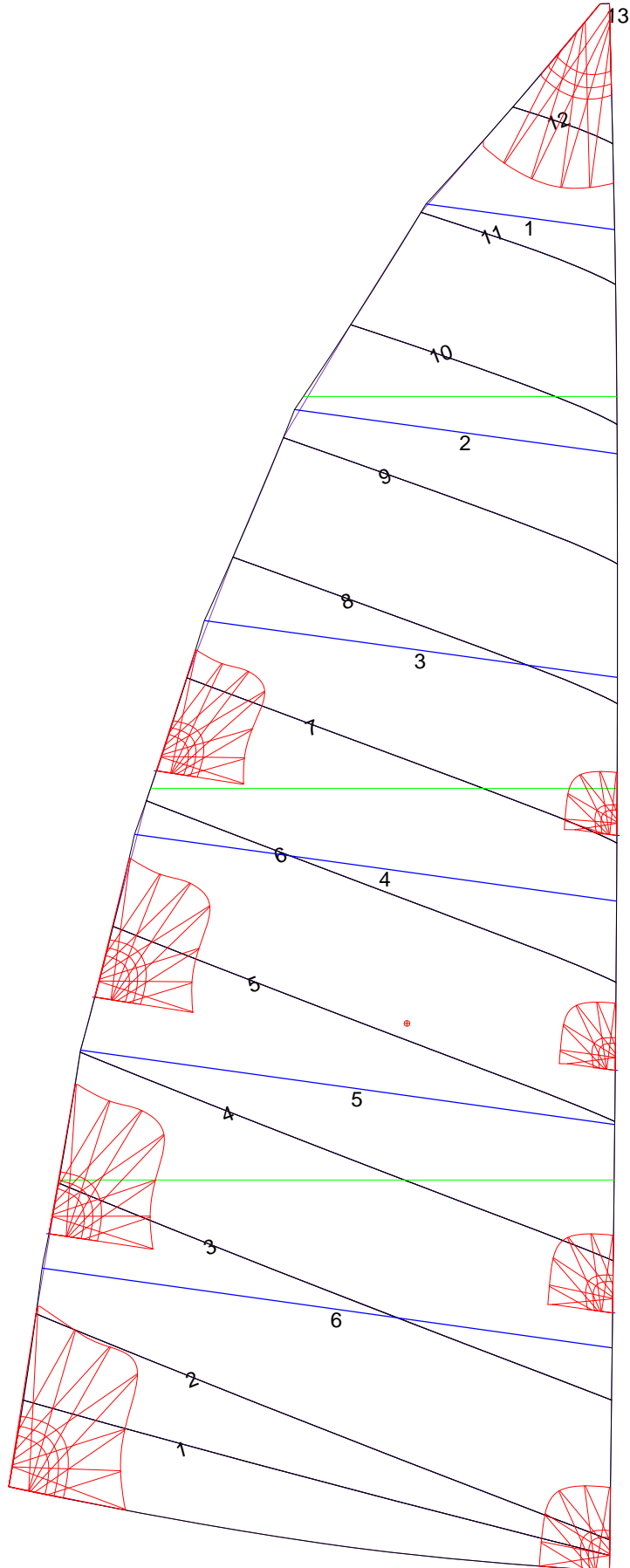
		Fanned Luff (@ 5.00% [0.:Before BSeam	
15.272m,	0.000m	100% (15.273m) :	0.000m 0.000m
12.676m,	-0.058m	90% (13.747m) :	0.025m 0.078m
10.080m,	-0.077m	80% (12.218m) :	0.046m 0.143m
5.040m,	-0.058m	70% (10.691m) :	0.053m 0.176m
0.000m,	0.000m	60% (9.164m) :	0.053m 0.182m
		50% (7.637m) :	0.049m 0.174m
		40% (6.109m) :	0.042m 0.152m
		30% (4.582m) :	0.031m 0.118m
		20% (3.054m) :	0.019m 0.076m
		10% (1.528m) :	0.007m 0.033m
		0% (0.000m) :	0.000m 0.000m

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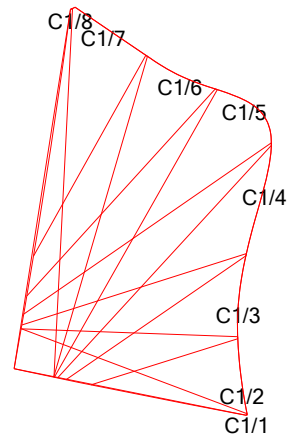
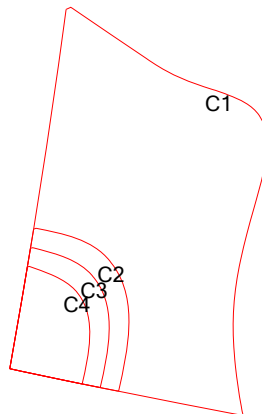
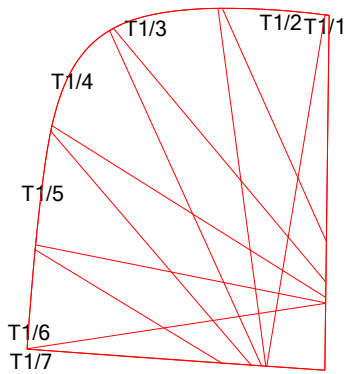
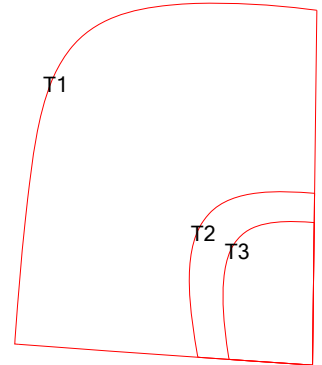
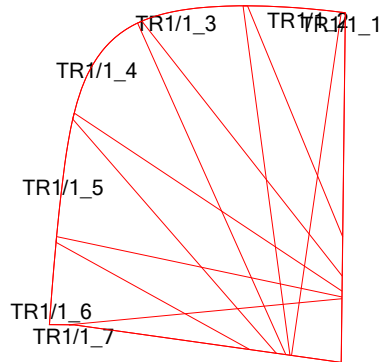
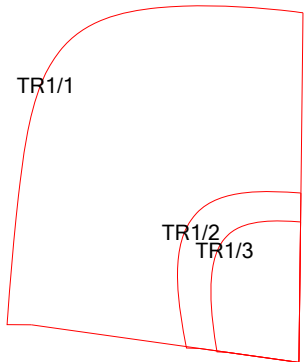
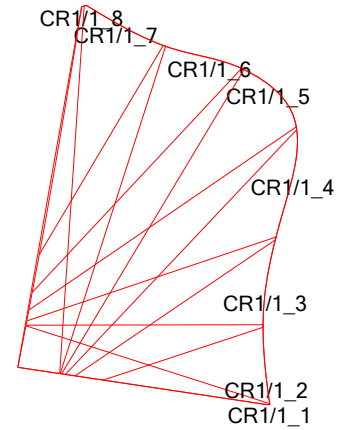
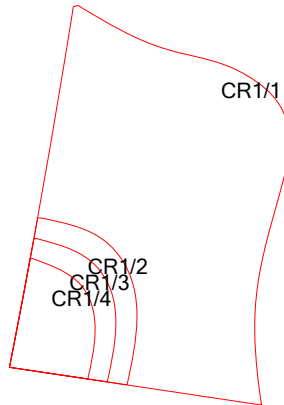
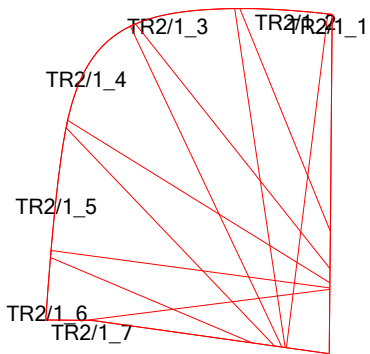
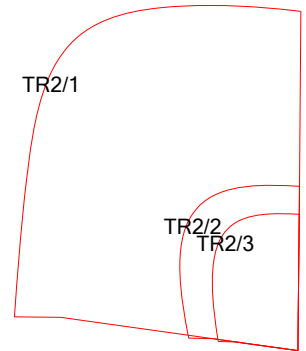
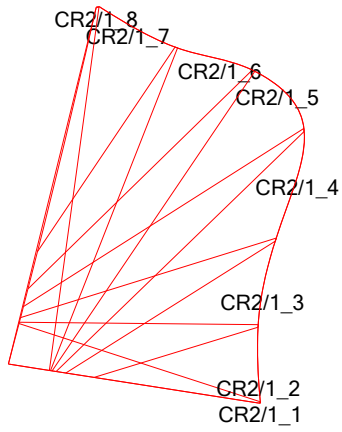
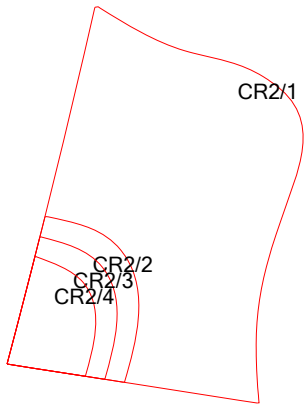
Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.045m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Materials		
Material	Area (m <sup>2</sup> )	Panels
Material 1	62.26	1,2,3,4,5 6,7,8,9,10 11,12,13



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